

RD-25,934  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anthony Dean et al.

Serial No.: 09/333,181

Filed: June 14, 1999

For: IN-LINE PARTICULATE  
DETECTOR

:  
: Art Unit: 2877  
:  
: Examiner: Smith, Zandra V.  
:  
:  
:  
:

RECEIVED  
JUL 1 2002  
12501 Mainway  
JUL 1 2002

**CERTIFICATE OF MAILING BY EXPRESS MAIL TO  
THE COMMISSIONER OF PATENTS AND TRADEMARKS**

Express Mail mailing label number: **EL 817714285 US**

Date of Mailing: **July 1, 2002**

I certify that the documents listed below:

- Amendment Transmittal form (3 pgs.), in duplicate
- Amendment After Final in response to Office Action dated April 1, 2002 (21 pgs.)
- Submission of Marked Up Claims (5 pgs.)
- Return post card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to: Box AF, Commissioner for Patents, Washington, D.C. 20231-0001.

Thomas M. Fisher, Reg. No. 47,564  
ARMSTRONG TEASDALE LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102-2740  
(314) 621-5070

AF/2877  
RD-25,934  
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anthony Dean et al.

Serial No.: 09/333,181

Filed: June 14, 1999

For: IN-LINE PARTICULATE  
DETECTOR

Art Unit: 2877

Examiner: Smith, Zandra V.

Box AF  
Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
JUL-3 2  
TECHNICAL UNIT 2800

TRANSMITTAL

1. Transmitted herewith is:

**Amendment After Final in response to Office Action dated April 1, 2002  
(21 pgs.); Submission of Marked Up Claims (5 pgs.); Certificate of Express Mail  
(1 pg.) ; Return Post Card**

STATUS

2. Applicant

✓ Claims small entity status.  
is other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is, on the date shown below, being:

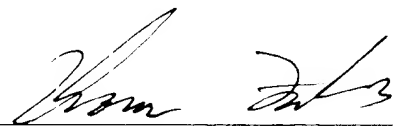
MAILING

✓ deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to: Box AF, Commissioner for Patents, Washington, D.C. 20231, Express Mail No. EL 817714285 US.

Date: July 1, 2002

FACSIMILE

Transmitted by facsimile to the Patent and Trademark Office

  
Thomas M. Fisher  
Reg. No. 47,564



## EXTENSION OF TERM

RECEIVED  
JUN - 3 2002  
JUL 1 2002

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) \_\_\_\_\_ Applicant petitions for an extension of time under 37 C.F.R. 1.136  
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

| Extension for response within: | Other than small entity Fee | Small entity Fee (if applicable) |
|--------------------------------|-----------------------------|----------------------------------|
| _____ first month              | \$ 110.00                   | \$ 55.00                         |
| _____ Second month             | \$ 400.00                   | \$ 200.00                        |
| _____ Third month              | \$ 920.00                   | \$ 460.00                        |
| _____ Fourth month             | \$1,440.00                  | \$ 720.00                        |
| _____ fifth month              | \$1,960.00                  | \$ 980.00                        |
| Fee:                           |                             | \$ 0.00                          |

If an additional extension of time is required, please consider this a petition therefor.

*(Check and complete the next item, if applicable)*

\_\_\_\_\_ An extension of \_\_\_\_\_ months has already been secured. The fee paid therefor \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ 0.00

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

## FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

|        | (Col. 1)                                  |       | (Col. 2)                              | (Col. 3)         | SMALL ENTITY               |    | OTHER THAN<br>SMALL ENTITY |
|--------|---|-------|---------------------------------------|------------------|----------------------------|----|----------------------------|
|        | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |       | HIGHEST NO.<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA | ADDITIONAL<br>RATE FEE     | OR | ADDITIONAL<br>RATE FEE     |
| TOTAL  |   | MINUS |                                       | =                | x \$9 = \$                 |    | x \$18 = \$                |
| INDEP. |   | MINUS |                                       | =                | x \$42 = \$                |    | x \$84 = \$                |
|        | FIRST PRESENTATION OF MULTIPLE DEP. CLAIM |       |                                       |                  | + \$130 = \$               |    | + \$280 = \$               |
|        |   |       |                                       |                  | TOTAL ADDITIONAL<br>FEE \$ | OR | TOTAL ADDITIONAL<br>FEE \$ |

- (a) ☒ No additional fee for claims is required.

OR

- (b) \_\_\_\_\_ Total additional fee for claims required \$

## FEE PAYMENT

5. \_\_\_\_\_ Attached is a check in the sum of \$ \_\_\_\_\_  
 \_\_\_\_\_ Charge Deposit Account No. 01-2384 the sum of \$  
 A duplicate of this transmittal is attached.


## FEE DEFICIENCY

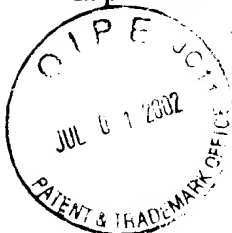
6. ☒ If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

- ☒ If any additional fee for claims is required, charge Deposit Account No. 01-2384.

7. \_\_\_\_\_ Other:

  
 Thomas M. Fisher  
 Reg. No. 47,564  
 ARMSTRONG TEASDALE LLP  
 One Metropolitan Square, Suite 2600  
 St. Louis, MO 63102-2740  
 (314) 621-5070



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anthony Dean et al.

Art Unit: 2877

Serial No.: 09/333,181

Examiner: Smith, Zandra V.

Filed: June 14, 1999

For: IN-LINE PARTICULATE  
DETECTOR

## AMENDMENT AFTER FINAL

Box: AF  
Hon. Commissioner for Patents  
Washington, D.C. 20231

In response to the Office Action dated April 1, 2002 and made final, Applicants respectfully request entry and consideration of the following amendment:

IN THE CLAIMS:

Please cancel Claim 5.

1. (twice amended) An in-line particulate ~~detector~~ comprising:

a housing having an inner flow portion, which housing is installed in-line between adjacent portions of a pipeline in a system and is removably disposable between the adjacent portions of the pipeline to permit a fuel flow from a fuel source through said inner flow portion to a fuel consumer;

a laser diode light source disposed within said housing for emitting a light beam within said inner flow portion;